

From owner-qrp-1@Lehigh.EDU Sun Nov 3 23:11:33 1996
From: "William R. Colbert" <v31xe@dzn.com>
Subject: [3527] 2 meter mobile antenna
Message-ID: <327D53DA.5789@dzn.com>

Norm, I outline here a couple of ways to get a functional antenna on a car where no mount is available or where an external antenna is not desired.

Some of the things we used when installing undercover antennas (VHF) are as follows, with satisfactory results:

1. a curb feeler, modified to accept the coax. Although it is low, contact thru the repeater was always possible. Try to have it installed on the side of the car away from the curb. Requires installation of 4 curb feelers for a matched setup.
2. Another system was to use a vehicle rear window defroster, which works well.
3. Install a 1/4 wave whip in the center of the rear window, either glued to the glass to hold it in place, or mounted to the package tray, and fed from the bottom.
4. And to answer your question about the copper security tape, yes it does work. Radio shack used to market a aftermarket broadcast antenna for cars that did not come with an antenna or for those that had the antenna installed in the windshield glass. Those also work, as does the inglass broadcast antenna that General Motors had several years ago. A small coupler/tuner is required on some of these.

Hope this info helps. Good Luck.

--

72/73, Ray Colbert, W5XE, SOWP 1064M
(also af852@rgfn.epcc.edu)
El Paso, Texas

From owner-qrp-1@Lehigh.EDU Sun Nov 3 23:11:33 1996
From: larry.kosch@tolttbbs.com
Subject: [3531] 49er kit sale
Message-ID: <9611032044.0T5DC00@tolttbbs.com>

HI GANG

I have 2 NORCAL 49er pc boards - 1 parts kit with
7040 xtal - 1 6 page manual for sale.
\$33.00 shipped to you in the US 48.
Send reply direct to me by e-mail at
larry.kosch@toltbbs.com
Will reply back by e-mail.

73 LARRY K8EJU

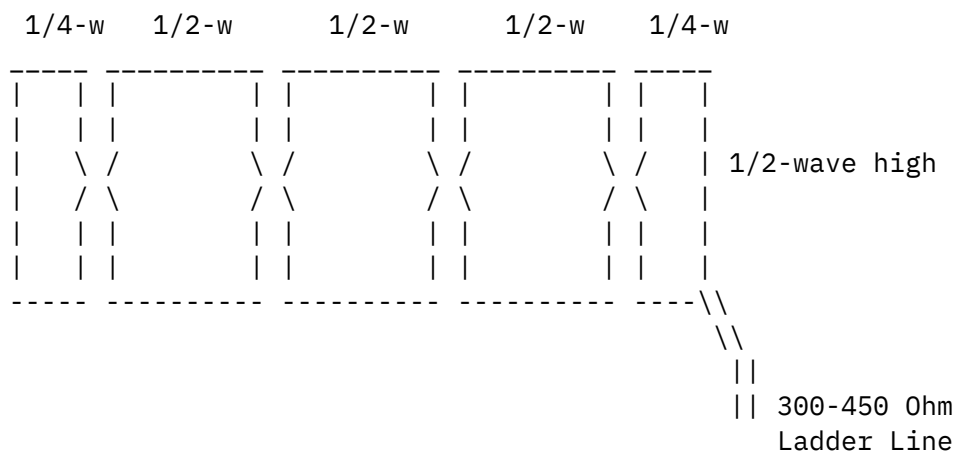
QRP-L 364 ARCI-8012 NORCAL-939 MICH-994 LARRY-K8EJU MAUMEE,OH

From owner-qrp-l@Lehigh.EDU Sun Nov 3 23:11:33 1996
From: wb2vuo@juno.com (William K Hibbert)
Subject: [3523] A Sterba Curtain array
Message-ID: <19961103.182316.4807.0.wb2vuo@juno.com>

A Sterba Curtain

The Sterba Curtain is an array of 1/2-wave elements, stacked 1/2-wave apart and combined with collinear-fed 1/2-wave elements. The Sterba Curtain is similar, electrically, to the "Lazy-H" collinear array, but the array forms a complete loop, allowing DC to be passed through the antenna. This allows one to use a DC supply to heat the antenna to de-ice it. Commercial HF stations, both Maritime Shore stations and commercial Shortwave broadcasters find this a useful feature.

Diagram, 8 Half-Waves



The crossed-over sections can be open-wire line (with a full twist) or the wire from the elements can be used with spacers to form a 1/2-wave line. The lower side of the array should be at least 1/4-wave high, 1/2-wave and higher if possible. The array will be bi-directional, perpendicular to the length of the array, with a low take-off angle. Height above ground will determine the actual angle, and can either be modeled, or the charts in the "Antenna Book" can be used. Gain will be roughly the integral multiplier of the number of half-waves in the array. An 8-element array will show about 9 dB over a dipole at the same height.

The 1/2 and 1/4-wave lengths can be calculated the same as a dipole or 1/4-wave vertical, $1/2\text{-wave} = 468/f$ and $1/4\text{-wave} = 234/f$. The antenna is quite broadbanded, and lengths are not critical.

In the older antenna books, the Sterba Curtain and other combination wire arrays are covered in more detail. Pick up a 1970 and older "Antenna Book", or an older edition of Bill Orr, W6SAI's "Radio Handbook". These are quite often found in fleamarkets and hamfests, and are worth looking for.

Sorry for the "drawing", but I am limited to DOS-based text editors for my E-Mail posting...

72/73, Keith, WB2VU0, QRP-L #582
Trustee, KB2YTW/B 10 Mtr Milliwatting Beacon (250 mW @ 28.2870 MHz)
"In the Depths of the Great Bergen Swamp...FN13ac"

From owner-qrp-l@Lehigh.EDU Sun Nov 3 23:11:33 1996
From: "Phil, AC6LS" <ac6ls@amsat.org>
Subject: [3505] another one lives!!
Message-ID: <327C5BAC.4A55@amsat.org>

I have brought to life one more qrp rig here in the shack.
It is the K6LMN "Pair" separate pc boards for tx and rx.
this one is set up on 40m and is a superhet design using some ne602's.

my WM-1 shows almost 2w, but I susspect a weak btry or alignment out on the wattmeter.(should be more).
the audio is farily weak and I'll be looking into that in the am (uses a lm386n)

I also did some tweaking to the 40a and That little gem is performing just fine (worked some s.ca and wash around mid day on 40-(duh)) Oh, yes, also using the S.African military key that I got Stan K4DRD, this key is tiny, well balanced and has the potential to be used at the higher wpm rates!

with todays somewhat High productivity level, I didnt get to play around with the SS test. and sunday is for cleaning the shack and prob. putting the kc-1 and the var. bw mod into the sierra (NorCal ver., thank you.) Which reminds me, got to finish the St.Louis Tuner, damn those torrids, acutally winding them is no prob., it is the "cleaning that "darn" insulation off of the wires. If this survives the delete key, I wonder If you could tell me what you might use to "clean" the wire with. Right now, I am using some flame and steel wool. I know the heat is not the best, but at least I'm not nicking the wires. and yes, I know about the kind you can use your soldering iron with-- these wires are not that type.

must qrt for bed, tnxs es 73 de PHil AC6LS (central Ca)

From owner-qrp-1@Lehigh.EDU Sun Nov 3 23:11:33 1996
From: Alan Kaul <kaul@netcom.com>
Subject: [3539] ARRL Nov. CW Sweepstakes
Message-ID: <Pine.3.89.9611032005.A17230-01000000@netcom2>

I read Roger's lament.
I, too, found QSO's slow in coming.
But, alas, the silver lining was working fellow
QRP-er N0AX from the list who had QRP success!

When I worked Ward, with about 3 and 1/2 hours to go, he was already over 630 QSO's into the contest!!!

He was the ONE and ONLY QRP operator I worked. Lots of B's and A's.
Too few Q's!!

My totals:

on air	QSO's	Sections	Points
-----	-----	-----	-----
3 1/2 hours	62	36	4,464

5W to an IC-725 on 40-20-15M.

Best DX: KP4 on 15; VY1 on 20; KH6, NL7, KP2 on 40

I didn't listen on 10 or 160. I heard a lot of signals on 80 but didn't work it because I hadn't repeaked the loading coils on my HF-2V vertical for the CW band since working the higher end of 80 in last week's CQWW SSB contest.

73/72 de alan

[<Alan Kaul, W6RCL>] kaul@netcom.com

From owner-qrp-1@Lehigh.EDU Sun Nov 3 23:11:33 1996
From: Scott Bauer <ke3nv@erols.com>
Subject: [3511] attn: Joe Everhart
Message-ID: <199611031701.MAA01832@smtp2.erols.com>

Joe, I tried to email you, but it keeps bouncing back. I just wanted to say thanks for letting me reprint your PVC Gusher article in Keynote, the newsletter from Fists CW Club. Im sure everyone enjoyed it.

Sorry folks for the bandwidth, but needed to get in touch with Joe.

72/73 Scott

.....
Fists 1502, ARCI 8804, G-QRP 8773, Nor-Cal 1094, NE 348, CQC 352

Scott Bauer ke3nv@erols.com

.....

From owner-qrp-1@Lehigh.EDU Sun Nov 3 23:11:33 1996
From: Mike Boice <kd0fx@worldnet.att.net>
Subject: [3512] Bobtail Curtain/Half Square Question
Message-ID: <1.5.4.32.19961103200440.006649fc@postoffice.worldnet.att.net>

I'm contemplating building one of these (I believe they're the same design) cut for 18.096 MHz. I calculate the 1/2 wave top "leg" to be 27.2 ft, while each vertical leg to be 12.9 feet. I can accomodate both of these dimensions, just not "together." What I mean is, I have two wooden posts, one around 13 feet tall, one around 15 feet tall, on opposite sides of my house. The distance between these posts is around 55 feet. I can run one vertical leg and the horizontal leg, but the remaining vertical leg would end up laying on the roof (only a couple feet below). While I assume this would probably fall into the "effective" category (as related in recent postings), I'm wondering if there is a better way around this, or possibly an alternative antenna design for 17 meters that would better use this space (vertically &/or horizontally). I'm thinking that I might actually be able to get some type of "gain" antenna up (albeit relatively low to the ground) for this band, since the wavelengths are so short.

Also, what is the rough feedpoint impedance of a bobtail curtain if properly hung?

Oh yeah - what the heck is a Sterba Curtain? I've seen several references to it over the past few months, but I can't seem to find mention of it in my ARRL Antenna Handbook (circa 1976) or regular Handbook (1982 edition - yeah, I know it's time to get a little more up to date, but Christmas isn't here yet).

Many thanks to all out there in "The Land of a Thousand Elmers."

73,
mike KD0FX
Richland WA QRP-L #576 QRP ARCI #9270

From owner-qrp-1@Lehigh.EDU Sun Nov 3 23:11:33 1996
From: Joe Gervais <vole@primenet.com>
Subject: [3540] CW SS Notes
Message-ID: <199611040433.VAA02821@primenet.com>

Howdy Folks,

Well that was kind of fun. Entered the CW SS knowing I wouldn't have time or energy to rack up the QSOs, so

I just went Section Hunting when I could get on the air.
Ended up with 52 Sections and 81 QSOs, which I think
works out to 4212 pts. Figure I can at least get my log
to the contest manager and add to the QRP conspiracy. ;-)

Highlight was working KC1F in NH. He was QRP too, so I
have a new state for both QRP WAS and 2xQRP WAS. Wahoo!
Most frustrating part was a VT station calling CQ that
I just couldn't get to hear me. Aargh! Fox flashback! :-)

Heard a few QRPers giving exchanges, but KC1F was the
only 2xQRP contact I had the whole time. Luckily there's
the Spartan Sprint tomorrow to cure my withdrawal symptoms.

Hope everyone else had a good time too! Look forward to
hearing how the QRP-L CW SS Shootout went.

Cheers de KC7NEV,

-Joe, vole@primenet.com, AZ ScQRPions

From owner-qrp-l@Lehigh.EDU Sun Nov 3 23:11:33 1996
From: Bensondj@aol.com
Subject: [3529] Decorations
Message-ID: <961103201021_344954771@emout03.mail.aol.com>

On 11/2/96, Brad Mitchell <wb8ygg@juno.com> wrote:

(snip)

>>This is after I lost padlocks, large nuts (the kind
>>that connect to bolts), and even a pipe cutter..
>>(that's another story!). They are still hanging in
>>my tree as reminders of how long that string
>>really lasts in UV!

This could be a wonderful variant of the antenna-raising thread. I'm
partial to 3/8"-drive deep sockets. If cost isn't a concern, 6" crescent
wrenches are just excellent for hand-throwing. ;-)

(A hardhat wouldn't be out of line for activities involving projectiles of
this sort, though. Safety first!)

72, Dave - NN1G

From owner-qrp-1@Lehigh.EDU Sun Nov 3 23:11:33 1996
From: Randy Foltz <rfoltz@wsunix.wsu.edu>
Subject: [3536] FOX:
Message-ID: <Pine.OSF.3.95.961103195046.27740A-100000@unicorn.it.wsu.edu>

Howdy, gang.

Just a heads-up for you early planners and you digest readers. I've got the second fox of this week. The details are as follows

*** UTC UTC UTC ***
November 7, 1996 0200-0400
*** UTC UTC UTC ***

7.037 MHz will be the starting place. I'll tend to go up in fq if I need to move.

Rig Triton IV at 5 watts into a GAP Titan

If I can get my ears to stop hearing code and my head rounded back from being flattened by headphones from Sweepstakes, we should be able to have some fun. Try and slow your keyers down from the light speed I've heard all weekend. 17 to 20 wpm would suit me fine. :)

I'll send a reminder again later.

72,
Randy
WB5QMP ARCI QRP-L NORCAL NWQRP ARS
Moscow, ID

From owner-qrp-1@Lehigh.EDU Sun Nov 3 23:11:33 1996
From: JCoote@aol.com
Subject: [3510] HELP- Military receiver
Message-ID: <961103092723_221889532@emout03.mail.aol.com>

I have a couple RACAL RA-6790GM receivers, also known in the US military as R-2174(p)URR.

I need to know which pins in the rear of the receiver are for speaker audio, and what impedance.

Also looking for manuals, operators and repair.

Thanks

Jay
WB6AAM

From owner-qrp-1@Lehigh.EDU Sun Nov 3 23:11:33 1996
From: Richard Fisher <ki6sn@pe.net>
Subject: [3535] November SP Announcement
Message-ID: <Pine.GS0.3.95.961103194047.24004A-100000@arlington>

The November Spartan Sprint will be held on November 4 (which is our standard date--the first Monday of the month).

The Spartan Sprint is based on a simple but stimulating concept. We are encouraging all of you to cobble together the kind of station you'd use in a portable environment--lightweight transceiver, keyer, key, antenna tuner and battery. Then put that turkey on the air, and participate in a two hour sprint.

All operators are invited to play, whether or not they are members of Adventure Radio Society. Even if you don't have lightweight equipment, your participation will be rewarding, both for you and the other participants. We'll report the score in two different formats--absolute scores, and QS0s per pound of station weight. So you can get your kicks from running up a magnificent score, or achieving an remarkable ratio of Qs per pound.

ARS provides handsome certificates to the operators who achieve the top four scores in the Qs per pound category.

You can get a full explanation the Spartan Sprints from our web site, <http://members.aol.com/adradio/index.html>. The following synopsis, however, will give you all you need to participate.

1. Start at 9:00 PM EST, 8:00 CST, 7:00 MST and 6:00 PST.
Finish at 11:00 PM EST, 10:00 CST, 9:00 MST and 8:00 PST.

2. Beginning with the November Sprint, we will switch to 40 meters only (until next spring, when we'll go back to a 40/20 combo). The frequency will be 7040+- Khz.

3. Exchange RST, SPC (state, province or country) and power output.

4. If you choose to call CQ, use the format "CQ SP".

5. If you are operating under the portable QRP rules, add "/PQ" to your call. (You can find those rules at our web site, <http://members.aol.com/adradio/index.html>)

After the contest, send me an e-mail with your total QSOs and the total weight of your station (i.e., the combined weight of the transmitter, receiver, antenna tuner, key, keyer and battery). You may also include your comments from the soapbox. If you get that information to me by Tuesday night, I'll include your data in the contest results, which I'll publish on Thursday, November 7 on the ARS web site and the QRP-L. My e-mail address is Russ1031@aol.com.

If you're thinking about becoming a member of Adventure Radio Society, just send Richard Fisher (our membership chairman) an e-mail expressing your interest. Richard's e-mail address is KI6SN@aol.com. Membership is free, and the organization has a great group of men and women who combine their love of ham radio with their affection for the outdoors. You don't need to be a macho person; ARS welcomes people of all ages and levels of ability.

72, Russ Carpenter, AA7QU
ARS#1

From owner-qrp-l@Lehigh.EDU Sun Nov 3 23:11:33 1996
From: Richard Wilkerson <richqrp@pacbell.net>
Subject: [3517] Oct.sprint
Message-ID: <327D4465.7699@pacbell.net>

Question, why is there is no listing on the Adventure Radio Society web site on Oct. sprint?
Thanks, Rich

From owner-qrp-l@Lehigh.EDU Sun Nov 3 23:11:33 1996
From: "Phil, AC6LS" <ac6ls@amsat.org>
Subject: [3542] Parts source??
Message-ID: <327D6731.7C53@amsat.org>

Looking for a source for the following elusive part:

MVAM108 varactor diode

the NorCal 40a uses them and in the parts list it lists a source as HALLMARK. I went to the Hallmark store at the mall and they looked at me like I was some wierdo or something....;-)

73 de Phil

From owner-qrp-l@Lehigh.EDU Sun Nov 3 23:11:33 1996
From: ERSchley@aol.com
Subject: [3537] QRP-Plus upgrade: Worth it?
Message-ID: <961103230112_1813611627@emout07.mail.aol.com>

Hey fellas;

I have an ORIGINAL QRP+, and am wondering if the upgrade is worth the money. I've read pro and con on the subject, but I was wondering is someone who has had an original QRP+ upgraded, could give me an opinion as to the amount of improvement noticed (if any).

You can e-mail me direct if you prefer, and if there are any startling revelations, I can re-direct a distillation of the comments to the list.

Thanks, Emory R. Schley, N4NCU (Still.... come on, Gate 2!)

From owner-qrp-l@Lehigh.EDU Sun Nov 3 23:11:33 1996
From: wb2vuo@juno.com (William K Hibbert)
Subject: [3534] S/S CW Weekend: A quick view
Message-ID: <19961103.211356.4807.0.wb2vuo@juno.com>

Well, the quick run-through is not as good as I hoped, but I had fun. The bands were very noisy on Saturday, and I only made 5 Q's from 2200Z to 0200Z. Sunday was much better, with 15 Meters and even 10 Meters showing some signs of life. I made contacts on all the available bands EXCEPT 160 Meters! I didn't even hear ONE station working S/S on 160M, except me, and no replies on the band. Where were all the Top Banders??

My first rough run-thru has 60 QSO's x 2 Points x 32 Sections for 3840 points for a claimed score. As soon as I can get the log formatted for an Email submission, it will be Modemmed out to Newington...

Looking forward to the Phone weekend in 2 weeks.

72/73, Keith, WB2VUO, QRP-L #582

Trustee, KB2YTW/B 10 Mtr Milliwatting Beacon (250 mW @ 28.2870 MHz)

"In the Depths of the Great Bergen Swamp...FN13ac"

From owner-qrp-1@Lehigh.EDU Sun Nov 3 23:11:33 1996
From: bruce muscolino <w6toy@pop.erols.com>
Subject: [3533] SS
Message-ID: <199611040319.WAA05236@smtp2.erols.com>

W6TOY Preliminary Data

206 QSOs
67 Sections

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Bruce -- W6TOY/3
Still QRP, Really! (c)

From owner-qrp-1@Lehigh.EDU Sun Nov 3 23:11:33 1996
From: N9DD@aol.com
Subject: [3541] SS Contest Diary de N9DD (long)
Message-ID: <961103233513_1880724579@emout07.mail.aol.com>

Whew! The whole while I was thinking "Why am I doing this". But I couldn't stop...

Saturday morning I started a checkout of my meager contest station. I re-learned how to set my old MFJ-496 CW keyboard to send contest serial numbers and to increment them for each QSO. The number feature is a real help. (Anyone designing a memory keyer should consider including a serial number mode). The 40 M horizontal loop was loading up as usual. I set my tired, old Kenwood TS-520 to just under 5 watts. Everything was ready to go. Was I? My goal wasn't real high... I just wanted to make 100 QSOs. Last year I only made 70-something. This year I wanted to qualify for the opportunity to send the ARRL \$5 for the participation pin...

2100 came and 40 meters erupted. Thank God I hooked up the outboard CW filter...

The QSOs started coming - 30 the first hour. Things were looking up! It's amazing how well QRP can do in these contests. I rarely made a call that didn't get answered the first time. There are alot of good ears out there...

At 2328 I hit 50 QSOs. K1ZX was at 240. HOW DO THESE GUYS DO IT????

0020 Switch to 80 meters. Too many familiar calls on 40 and N9DX, who lives 1/2 mile from me, keeps blocking my receiver.

0110 and 75 QSOs. 100 by bedtime would be a cinch, I thought. Time for a break. Check the E-Mail.

0320 86 QSOs. They're coming slower now. Back to 40 Meters. AL7CQ!!!!
Ahhh shucks... He's in No. Texas...

0411 I hit 99 QSOs 15 horrible minutes pass. Nothing but dupes, "SRI OM QRM", etc.

0426 100 QSOs YEAHHH!!!! K6LL who provided the contact, was at 580. Yea, but he's probably running a KW.... and beams, and prearranging contacts, and paying guys for QSOs... Yea, thats it....

0600 - 1 am local. I'm on 80 meters. Only 9 QSOs by 0700. Time for bed.

1000 Up at the crack of dawn to get my wife to the airport. She's going to Cancun, Mexico. I get to stay home, watch the kids, and work the Sweepstakes contest. I'm happy.

1225 80 meters is still rockin'! I hit 134 QSOs by 1300. Should I set my goal at 150?

1308 Hey, let's try 20 meters... Another Dozen QSOs by 1400. I'm starting to work the West coast guys. I'm at 140 QSOs at 1407. AB6FO is at 779...

1329 I work my first "Q" station - KK6MC. I'm at 142. He is at 101. I take a moment to feel smug about it. Then I realize that he is holding a frequency and calling CQ. I'd never dare try that with QRP. He must be doing something right.

I decide to start filling out the dup sheet. I'm getting tired of flipping through 10 sheets of steno pad to see if I've worked a station.

1407 150 Contacts. I've called several stations who say I'm a dupe. They aren't on my dupe sheet. Someone must be pirating my call...

Off and on the next few hours. I hit 200 at 1751. K0AD is at 720.

I take several hours off. I need the rest. I've double my goal. I fall asleep and dream of fully computerized stations - Turn them on. Come back in 30 hours. See what you've worked.

A couple QSOs at 0017. Nothing but dupes on. Maybe I'll try a bit later. I take the kids to the grandparents for dinner.

0210 I work QSO number 210. I've had enough radio for awhile. (till the next Fox is on :-))

0300 The bands go silent. I call CQ QRP on 7.040. No answer.

0400 I find the missing steno pad sheet that didn't get entered on the dup sheet. I guess those guys were right. I was a dupe. Oops.

I found 1 dupe in the log. Final tally - 209 QSOs. No clean sweep (not even close). Did I have fun? Yes! Do I want to work another contest soon? No Way!

Will I be back next year? NO DOUBT ABOUT IT!

73,

Tom N9DD
South Bend, IN

From owner-qrp-1@Lehigh.EDU Sun Nov 3 23:11:33 1996
From: "T. PETTIBONE" <tpettibo@NMSU.Edu>
Subject: [3538] SS Report
Message-ID: <Pine.A32.3.91.961103205900.47463D-100000@hector>

Wow!

Bob is right. My ears ache, and my behind is numb! But what fun. Heard a couple of other NM QRPers out there and one, K5AM, was running about 20 Qs ahead of me around 1600Z. Oh well, will have to see if Duffey did me in.

This was NOT a good contest weekend. President Clinton visited our campus Friday nite, and with all of the disruption, had lots of work to do! Then, the wife made me go to the arts and crafts fair for several hours on Saturday and we had a gourmet dinner group meeting Saturday nite (ugggh!). Paid all of my bills and did my check book balancing act (if she only knew!) So was only able to SS for about 17 hours. Results follow:

227 Qs (89 on 40m, 76 on 20m, and 62 on 15m), 71 Sections including Yukon, Alaska, Pacific, and PR. Missed simple stuff like SC and ME. Missed my usual difficult eastern Canadian provinces. The 'clean sweep' eludes me still.

Well, it was fun. Did better than last year, and will do better next (that's a promise, kind of). Hope you all had fun too.

Tim AB50U

From owner-qrp-1@Lehigh.EDU Sun Nov 3 23:11:33 1996
From: jdenison@aisp.net (JOEL DENISON)
Subject: [3518] Suggestions on new qrp rig
Message-ID: <19961103221911684.AAA64@slip20.ts-f-merrill.caps.maine.edu>

Ok guys and gals I need ur help:
a friend is asking about a qrp rig with both cw & ssb and multi band performance. About \$800 price range, new or used and the qrp++ has been ruled out!

ANY SUGGESTIONS :-) (as if there would be none :-)

All help appreciated thanks

Bye now
God Bless
Joel

WA5CVM	Qrp ARCI #4066	NE-QRP #476	QRP-L #765
Joel Denison			
81 High street	33ft Vertical	& Inverted Vee	both up 40ft.
Farmington, Maine 04938			
jdenison@aisp.net	QRP PLUS	5w	SSB & CW

From owner-qrp-1@Lehigh.EDU Sun Nov 3 23:11:33 1996
From: rright@primenet.com (Roger Hightower)
Subject: [3514] Take a Break, Pt. II
Message-ID: <199611032028.NAA26628@primenet.com>

This was my first major contest at QRP levels, and what an experience it was. I don't remember putting out this much effort when I used to do it QRO. Trying to force that 5 watts through all the QRM is hard...no amount of body language seems to help, :-)

Finally gave it up after I had 102 contacts....ears were ringing, head hurt, butt was numb, and everything I heard seemed to be a dupe. Thanks to CT, it's easy to identify them. I heard some awesome numbers out there...some folk have over 1,000 and were still going strong. How do they do that? Painkillers?

102 q's and 55 sections. The Northeast opened loud this morning on 15 and 20, and then Texas came booming in. I think most of the ham population moved to STX just for the propagation. There were some very impressive signals from there.

Tried calling CQ a couple of times, but couldn't hold a freq. 95 percent of the time was hunt and pounce, involving heavy reliance on the OHR SCAF to sort things out. Without that little gem I would have given up hours ago.

Highlights were the Yukon, AK (2), Hawaii, Virgin Islands and Puerto Rico. These guys were good, able to pull that piddly signal out of the mud.

Those who didn't play with this one missed a lot of fun. If you're not into CW, give the SSB side a try on November 16-17.

Looking forward to hearing how Chuck's team and their opponents did.

72/73 de Roger AA7QY

NorCal 1099 CoQRP 176 QRP-L 62 G-QRP 9081 ARCI 8946 NE-QRP 383

From owner-qrp-1@Lehigh.EDU Sun Nov 3 23:11:33 1996
From: "Frank G3YCC" <g3ycc@enterprise.net>
Subject: [3521] The meaning of QRP
Message-ID: <199611032302.XAA22844@mail.enterprise.net>

Here's a little light aside for you. What can you come up with for the initials QRP? Like:

Qsos Rarely Possible (thanks Dick G0BPS!)
Queer Radio People

Any more?

72/3

Frank G3YCC GQRP 042

QRP Web pages: <http://homepages.enterprise.net/g3ycc/>

From owner-qrp-1@Lehigh.EDU Sun Nov 3 23:11:33 1996
From: Sterling <slombard@primenet.com>
Subject: [3519] The NN1G Mark3 xceiver (opinions?)
Message-ID: <Pine.BSI.3.95.961103152231.3144A-100000@usr10.primenet.com>

I'm thinking about getting this kit from Dan's Small parts.... is there

any opinions on this rig? Is the performance good on this rig? It appears that it's vfo controlled... Has anyone built this rig?

-Sterling W. Lombard (The Phreique)
<http://www.primenet.com/~slombard>

From owner-qrp-1@Lehigh.EDU Sun Nov 3 23:11:33 1996
From: "Frank G3YCC" <g3ycc@enterprise.net>
Subject: [3522] Web Site
Message-ID: <199611032302.XAA22920@mail.enterprise.net>

New links on my web site include a link to the VIBROPLEX site.
Links also recently added to the RSGB book shelves.

Enjoy!

72/3

Frank G3YCC GQRP 042

QRP Web pages: <http://homepages.enterprise.net/g3ycc/>

From owner-qrp-1@Lehigh.EDU Sun Nov 3 23:11:33 1996
From: PDouglas12@aol.com
Subject: [3509] White Mountain 75 on the air
Message-ID: <961103092446_1416522300@emout05.mail.aol.com>

Hi Gang,

I am pleased to report that the White Mountain SSB transceiver is finished and on the air. I can only report on the board kit, as I did not order the case kit. The board kit was well done, and it works very nicely indeed. It has been a long time since I aired a voice signal. I would think that the board and case kits combined would be an excellent choice for someone who has recently upgraded to General, or for an old timer. The kits come in 75m and 20m versions. The choice would be 20m, I would think, if DX is the goal. If loafing and rag chewing, together with checking into nets, then 75m would be the choice.

The instructions and construction were the usual clear, clean work you can expect from Small Wonder Labs. Since I think I have serial #1 off the assembly line, there were some opening night errors. I reported them all back to Dave Benson, and thanks to word processing, they aren't there anymore. When you order, you will find none of them.

There are a good number of toroid coils to wind. Some of them are bifilar, and two are even trifilar. Do I hear groans from the peanut gallery? No need. Dave has used special tricolored three wire coil wire, making it dead easy to wind and get the wires in the right holes. Truly easy and foolproof. And the bifilars use similar special two color, two wire stock. Best system I have seen. Incidentally, I still use a sharp, fresh #11 blade to scrape my coil ends. All it takes is a little care.

This is the first single sideband radio I have ever built. I did do a double sideband radio with a DC receiver back in about '88, but that technology was way inferior to the current state of the art. You have to have available a good commercial HF rig to get this radio working, in addition to a multimeter, but that's all. No oscilloscope, and not sig gen needed. A dummy load is necessary, but you have one of those, don't you?

My rig puts out about 8 watts, peak, I think. SSB isn't as easy to measure as CW! The superhet uses a ten turn pot, and cover most of the voice band on 75. Subjectively, tuning a voice in is slightly touchy, but it is touchy like that on my Yaesu 757 too. The filtering uses separate identical four pole crystal ladders, and thanks to the TUF-1 balanced mixers, there is no balance adjustment needed--a real plus. My only technical gripe is with the AGC, which samples its voltage after the volume control. I would prefer agc pickup to precede the volume control stage. For one thing, there is no place to pick up an S-meter voltage with this system.

Bang for the buck department. This kit costs about \$100. You get a real SSB superhet radio, less mike of course, for that price. This is genuinely a high value kit, where value is defined as quality/price. I very much recommend it. As usual, I paid retail for my kit. I am friends with most or all of the small business QRP kit makers, but I call 'em as I seen 'em. This one has no real competition out there, and there has been a need for a good voice kit. SWL is going to sell a lot of these.

Contact Small Wonder Labs at:80 Robbins Ave, Newington, Conn. 06111 or email at: bensonjd@aol.com

72 es CU on 75m phone,

Preston WJ2V

From owner-qrp-1@Lehigh.EDU Sun Nov 3 23:11:33 1996
From: Steve Miller <kg7pv@teleport.com>
Subject: [3507] Re: another one lives
Message-ID: <1.5.4.32.19961103132627.00665a14@mail.teleport.com>

>Date: Sun, 03 Nov 1996 01:45:32 -0700

> it is the "cleaning

>that "darn" insulation off of the wires. If this survives the delete

>key, I wonder If you could tell me what you might use to "clean" the

>wire with. Right now, I am using some flame and steel wool.

Hi Phil, I used to use a dental pick and scrape it off like the dentist cleans teeth. Then I used a match and sandpaper (100 grit). Now I use a butane lighter (BIC) and steel wool. The lighter is much hotter and cleaner than the match and leaves much less residue. Steel wool seems to work faster than sandpaper for the final cleaning but sometimes I think that the rough surface left by the sandpaper holds solder better. Have not had a bad joint since I started using the lighter. When all done I check the end under the mag lamp lens just to be sure its really clean. 73

Steve Miller (CN-85) Norcal #308 QRP-L #109 ARCI # 9230
Norcal 40A es Oak Hills Spirit II es dipole

From owner-qrp-l@Lehigh.EDU Sun Nov 3 23:11:33 1996

From: kd1jv@juno.com (Steven Weber)

Subject: [3520] RE: HB S/A kit

Message-ID: <19961103.174226.7231.0.KD1JV@juno.com>

A couple of guys reminded me they need my snail mail address<

Steve Weber

Box 140

Gorham, NH 03581

I'll also send the documentation off to everyone as the orders come in (two so far) So you will know what to expect.

KD1JV

From owner-qrp-l@Lehigh.EDU Sun Nov 3 23:11:33 1996

From: kd1jv@juno.com (Steven Weber)

Subject: [3513] RE: HB S/A kits

Message-ID: <19961103.153138.7231.1.KD1JV@juno.com>

I'm posting this here because some poor soul is apparently getting a copy of every message I send out, and he is becoming rather annoyed by it.

Can't say I blame him, so I just want to send this out once, instead of individually to all those who have expressed definite interest. Hopefully we can figure out why this guy is getting my messages. Has this ever happened to anyone else?

I priced out what it would cost to have a circuit board made and supply all new- prime parts for this project. It looks like I will have to charge \$80.00 and that includes Priority mail shipping. This is a group buy price assuming at least 10 kits are put together. It is possible that the final price will be a little less, but to be on the safe side, I'm high balling it for now. It's easier to lower the price than raise it latter.

I decided to go with a monolithic 10.7 Mhz xtal filter, that has a 3.5 Khz 3 dB band width. A lot more expensive than a ceramic filter, but much better performance. This price also assumes I will need to have 10.245 Mhz xtals made. I am also going to add in a marker generator to produce 10, 5 or 1 Mhz markers.

To complete the project you will need to add a box, two 10 K pots, input and output jacks (three) and a + / - 18 to 20 volt supply.

To recap, this is a Spectrum Analyzer scope adaptor that will work with any scope that has an external trigger. It covers 1 to 80 Mhz. (I may be able to improve this to 100 Mhz) It has a 80 dB range, outputting a reasonably linear 100 mv per 10 dB signal to the scope. The start sweep freq and the freq sweep span are adjustable with front panel controls (the two 10K pots). It has an input sensitivity of about 50 uv. (I am also going to use a MMIC with higher gain, so this figure might get somewhat better) You will of course need to use an attenuator for looking at transmitter outputs.

I don't think I need to tell you that for 80 bucks, this is cheap, cheap, cheap, compared to commercial S/A adaptors. Yes, you could build this a lot cheaper still, but only if you make your own circuit board, can scavenge most of the parts and only consider the price of the parts you put on the board, and not what it costs you meet the minimum order for the parts you do need to buy and don't factor in the shipping and handling to get the parts....I shutter to think what it REALLY cost me to put the first one together... But then I guess I needed all those "extra" parts anyway....

There is a lot to be said about getting everything you need in one box. Much better chance that you will actually finish the project that way.

It will take about a month to get the circuit board and xtal made. I am going to ask for a 50% down payment up front. I will not cash this deposit until the kits are ready to be sent out. Please email me direct

to place your order, and we will get this ball rolling....

TNKS for all the intreset, I had no idea so many people were looking for something like this...

de KD1JV, Steve

From owner-qrp-l@Lehigh.EDU Sun Nov 3 23:11:33 1996
From: Norm.Lee@flinders.edu.au (Norman J. Lee)
Subject: [3530] Re: QRP-L digest 533
Message-ID: <v01540b03aea31367e5f7@[129.96.234.104]>

To Frank G3CCY

The British government has never supported ham radio. It has only tolerated it when it suited them!!

Norm
VK5GI

From owner-qrp-l@Lehigh.EDU Sun Nov 3 23:11:33 1996
From: Dave.Ackrill@westwood45.powergen.co.uk
Subject: [3508] Re: SLV Vertical Efficiency and antenna EFFECTIVENESS
Message-ID: <961103135855Z*/G=Dave/S=Ackrill/O=westwood45/PRMD=POWERGEN/ADMD=CWMAIL/C=GB/@MHS>

I'd like to add my support of the point of view put by Jess,

I'd rather have an effective aerial than an efficient one any day!
What's the use of an efficient aerial if the RF goes where no one is listening, or where the radiation angle doesn't put the signal in the right place to bounce it off the bit of the atmosphere that you want it to bounce off?

BTW, I read once that the 120 radials came about because that was the amount of wire that the engineer who put up the first commercial vertical had to hand and that ever since it's either been assumed that this was "best" or experiments tended to "prove" that this was best. There was another report that, when VHF radio was first introduced for the Police over here, a quarter wave was made with 4 radials because the original 2 radial system didn't 'look right' to the non-technical buyer, so the supplier (a radio ham) took a marketing decision to add

a couple more, if that was what the customer wanted!

On the point that Jess made about putting off those who might have great fun with aereals with few radials, if they were not put off by the statements that they wont work, think of the people who said that we couldn't travel faster than 20 miles an hour because we wouldn't be able to breath at that speed. Someone must have ignored these 'proofs' and tried it to see.....

Cheers - Dave (G0DJA)

From owner-qrp-1@Lehigh.EDU Sun Nov 3 23:11:33 1996
From: "Hidehiko Komachi" <ja9mat@nsknet.or.jp>
Subject: [3506] RE: Some New Photos Added On.
Message-ID: <199611031203.VAA12580@po.nsknet.or.jp>

Hi,Charles.

Okay,but I don't have more image data about 0V1 and 6V6GT , sorry!
But I'll try to make them, schematics and more details.
Then I'll inform to QRP/L mailinglist surely.

My handmade-keys are two types.

One is a "Baby Paddle" which is enclosed in "Tiepin Case".
The contact is from "Siemens Key" for OLD RADIO from my JUNK BOX.
It's is attached to two my old "Guitar's Pick" hi.

Another is a "Baby Straight Key" which is made from "Tiepin" itself. hi.
The Tiepin is best conductor (made from Gold "Au").

Both Size is about 6 to 8cm and it is very good items for "Mobile QRPing"
, Outdoor, Car Mobile, and for my "Small Shack"!
Please try to make them,Charles

Military MiniKey is now available for purchase in Japanese QRP Kit
Builder "The MIZUHO Corp."

I don't know whether it is available to buy in your country. Sorry!
I heard that this key was made for U.K. Military specification.
And this key is strong enough to operate long time.

Please try to make them,Charles.

*** Thanks! 73/72 & GL! , From: Hidehiko KOMACHI as JA9MAT ****
Member of JA-QRP#036,G-QRP#9128,Alaska-QRP#025,QRP/L #761
E-Mail; ja9mat@nsknet.or.jp
Packet Radio; JA9MAT@JA9IHI.28.JNET9.JPN.AS
World Wide WebSite; <http://www.nsknet.or.jp/~ja9mat/Index.htm>

-----< end of message >-----

> o l : Charles Kadesch <chas@nmaa.org>
> : ja9mat@nsknet.or.jp
> : Re: Some New Photos Added On.
> M : 1996 Nov 3 9:03
>
> Hello Hide:
> I just visited your WebSite. It is great!!
> I would like to try to build the OV1 and the 30m
> 6V6 transmitter. If you have the schematics in GIF
> I would be very happy to get them. Also any sketches
> of your Mini Paddle Key and Straight Key would be
> helpful (dimensions, switches used, etc.). Is the
> Military MiniKey available for purchase anywhere?
> Congratulations on some very fine workmanship!
> I plan to draw some schematics of my regen receivers
> and put into GIF so I can share them with you.
> -72-
> Chas W8KUX
> chas@nmaa.org
>

From owner-qrp-l@Lehigh.EDU Sun Nov 3 23:11:33 1996
From: Ray Sommers <rsommers@chaos.coredcs.com>
Subject: [3524] Re: The meaning of QRP
Message-ID: <Pine.LNX.3.95.961103172734.18698A-1000000@chaos.coredcs.com>

Quiet Radio Power

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|/\| |_) / the | ,ittle | \ ilowatt \ , uster (Wisc.)
~ ~ ~ ' ~~~ ~ ~ from ~

Ray Sommers, rsommers@coredcs.com
WB9LKC QRP-L #8-) qrp ARCI #3816 NorCal #1423

From owner-qrp-l@Lehigh.EDU Sun Nov 3 23:11:33 1996
From: Goemans <jgoemans@facstaff.wisc.edu>
Subject: [3525] re: The meaning of QRP

Message-ID: <199611040000.SAA79056@audumla.students.wisc.edu>

I have been using...

Quit Running Power !! (as in high power) You should hear me talk to those poor unguided souls who run a Binford linear!

72 Paul

PS Still looking for someone to contact me who has a Kantronics QRP station setup !

Paul R Goemans WA9PWP
1508 Sundt Lane
Stoughton, Wi. 53589-1069 608-877-4151
QRP ARCI 7291 NorCal 1226 QRP-L 127 FISTS 2153

From owner-qrp-l@Lehigh.EDU Sun Nov 3 23:11:33 1996
From: "Chris Doherty, N3UVR" <doherty@scranton.com>
Subject: [3526] re: the meaning of qrp
Message-ID: <199611040009.TAA09656@ns1.scranton.com>

Quintessential, redoubtable people

I checked with Webster and he says, "Works for me!".
-73- de N3UVR, Chris Doherty
doherty@scranton.com
<http://www.scranton.com/~doherty>

From owner-qrp-l@Lehigh.EDU Sun Nov 3 23:11:33 1996
From: Ed Tanton N4XY <n4xy@avana.net>
Subject: [3528] Re: The meaning of QRP
Message-ID: <327D33E7.32DA@avana.net>

Quietly Radiating Photons

--

72/73

Ed Tanton N4XY EMAIL: n4xy@avana.net TEL: (770)579-3933
Voice/MBX/FAX
189 Pioneer Trail, Marietta, GA 30068-3466

QRP-ARCI#7663 G-QRP#6779 OK-QRP#172 QRP-L#758 AdvRC#140 NORCAL#1779

NCDXF SEDXC

Life Member: ARRL AMSAT IDRA INDEXA QCWA

URL:

Coming Soon

"Think you can, think you can't: either way you're right!" Henry Ford

From owner-qrp-1@Lehigh.EDU Sun Nov 3 23:11:33 1996

From: sigcom@juno.com (Stephen M Smith)

Subject: [3532] Re: The meaning of QRP

Message-ID: <19961103.164224.14815.1.sigcom@juno.com>

Oh, come on Frank! You can do better than that!

How about: Qso's Really Plentiful

Quintessential Radio People

Quite Rightly Perfect

And of course, after a hard day's work putting up antennas, it's time to
Quaff a Robust Pilsner!

73.....Steve, WB6TNL